

AMENDMENTS

In the Claims

The following is a copy of Applicants' claims that identifies language being added with underlining ("___") and language being deleted with strikethrough ("—"), as is applicable:

1. (Currently Amended) A method for communicating a plurality of data sets, said method comprising:

segmenting each data set into a plurality of segments;

assigning a transmission precedence to each of the segments according to the data set from which it was segmented; and

transmitting the segments from a first device used for capturing the data sets to a second device used for storing the data sets; ~~in order of the assigned precedence~~ whereby

wherein at least some lower-precedence segments are transmitted during idle transmission time between higher-precedence segments.

2 (Currently Amended) The method recited in claim 1 further comprising assigning a priority to at least one of the data sets ~~whereby~~ such that segments from each such data set are assigned a higher precedence.

3. (Original) The method recited in claim 1 wherein the segments are Internet Protocol datagrams.

4 (Original) The method recited in claim 1 wherein the data sets are image data sets.

5. (Currently Amended) A ~~device~~ system for communicating a plurality of data sets, said system comprising:

means for segmenting each data set into a plurality of segments;

means for assigning a transmission precedence to each of the segments according to the data set from which it was segmented; and

means for transmitting the segments in order of the assigned precedence whereby from a first device used for capturing the data sets to a second device used for storing the data sets such that at least some lower-precedence segments are transmitted during idle transmission-time between higher-precedence segments.

6. (Currently Amended) The ~~device~~ system recited in claim ~~[[8]]~~ 5 further comprising means for assigning a priority to at least one of the data sets whereby such that segments from a priority data set are assigned a higher precedence.

7. (Currently Amended) The ~~device~~ system recited in claim ~~[[8]]~~ 5 wherein the segments are Internet Protocol datagrams.

8. (Currently Amended) The ~~device~~ system recited in claim ~~[[8]]~~ 5 wherein the data sets are image data sets.

9. (Currently Amended) A computer readable medium for communicating a plurality of data sets, said computer readable medium comprising:

logic configured to segment each data set into a plurality of segments;

logic configured to assign a transmission precedence to each of the segments according to the data set from which it was segmented; and

logic configured to transmit the segments in order of the assigned precedence ~~whereby~~ to a device operative to store the data sets such that at least some lower-precedence ones of the segments are transmitted to the device during idle transmission time between higher-precedence segments.

10. (Currently Amended) The computer readable medium recited in claim 9 further comprising logic that assigns a priority to at least one of the data sets ~~whereby~~ such that segments from a priority data set are assigned a higher precedence.

11. (Original) The computer readable medium recited in claim 9 wherein the segments are Internet Protocol datagrams.

12. (Currently Amended) The ~~method~~ computer readable medium recited in claim 9 wherein the data sets are image data sets.

13. (New) The method recited in claim 1 wherein the first device is a digital camera and the data sets are image data.

14. (New) The method recited in claim 1, further comprising:
storing higher-precedence segments in a high-precedence portion of memory of
the second device.
15. (New) The method recited in claim 14, further comprising:
storing lower-precedence segments in a low-precedence portion of the memory of
the second device.
16. (New) The method recited in claim 14 wherein at least some of the idle
transmission time corresponds to the high-precedence portion of the memory being full.
17. (New) The method recited in claim 14 wherein storing higher-precedence
segments comprise storing the higher-precedence segments in a high-precedence buffer.
18. (New) The system recited in claim 5, further comprising:
means for storing the data sets received from the means for transmitting.
19. (New) The system recited in claim 5, further comprising:
means for determining whether a high-precedence memory portion of the second
device, used for storing high-precedence ones of the data segments, is experiencing the
idle transmission-time.

20. (New) The computer readable medium recited in claim 9, further comprising:

logic configured to determine whether a high-precedence memory portion of the second device, used for storing high-precedence ones of the data segments, is experiencing the idle transmission-time.

21. (New) A system for communicating a plurality of data sets, comprising:

a first device operative to segment each data set into a plurality of segments, assign a transmission precedence to each of the segments, and transmit the segments in a manner corresponding to the assigned precedence; and

a second device having a memory operative to store the segments received from the first device;

wherein, responsive to determining that the memory of the second device cannot currently store additional high-precedence data segments, the first device is operative to transmit lower-precedence segments to the second device.

22. (New) The system recited in claim 21, wherein the second device is a personal computer.

23. (New) The system recited in claim 21, wherein the first device is a personal digital assistant.

24. (New) The system of claim 21, wherein:

the memory of the second device has a high-precedence portion and a low-precedence portion, the high-precedence portion being operative to store higher-precedence segments received from the first device, the low-precedence portion being operative to store lower-precedence segments received from the first device; and

responsive to determining that the high-precedence memory portion of the second device cannot currently store additional high-precedence data segments, the first device is operative to transmit lower-precedence segments.

25. (New) The system recited in claim 24, wherein the high-precedence memory portion is a first buffer and the low-precedence memory portion is a second buffer.